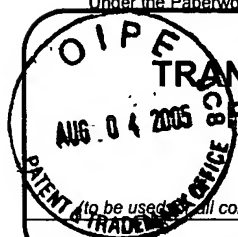


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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
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(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 24

Application Number	10/090,054
Filing Date	March 1, 2002
First Named Inventor	Michael Fripp
Art Unit	3672
Examiner Name	Daniel P. Stephenson
Attorney Docket Number	AHALL.0138

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Postcard
Remarks No fee is required, however should a fee be determined as owing, please charge such fee to Deposit Account No. 50-0392.		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Carstens & Sagoon, LLP		
Signature			
Printed name	David W. Carstens		
Date	August 1, 2005	Reg. No.	34,134

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	MaryJo Kraut	Date	August 1, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Michael Fripp, et al.  
Serial Number: 10/090,054  
Filing Date: March 1, 2002  
Title: Valve and Position Control Using Magnetorheological Fluids  
Examiner: Daniel P. Stephenson  
Art Unit: 3672

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**RESPONSE TO FINAL OFFICE ACTION**

Sir:

No fees are believed to be due, but the Commissioner is hereby authorized to charge any necessary fee to Deposit Account No. 50-0392 of Carstens & Cahoon. LLP. No extension of time is believed to be due, but any necessary extension is hereby requested.

In response to the Final Office Action mailed June 1, 2005, Applicants offer the following remarks:

**Claims** begin on page 2 of this paper.

**Remarks** begins on page 18 of this paper.